

## Claims

- [c1] A pen-shaped cellular phone, comprising:
- a pen tip section, which is established at the edge of a cylinder chassis, having writing component at the edge;
  - a grip section held by a user used as a writing tool, which is established at the side of said pen tip section of said cylinder chassis;
  - a keyboard section whose phone operation keys to input numbers, letters, or codes are allocated linearly, in a longitudinal direction on the surface except for said pen tip section of said cylinder chassis and said grip section;
  - and
  - a display section to perform a phone display, which is established linearly near said keyboard section.
- [c2] A pen-shaped cellular phone, comprising:
- a cylinder chassis, having a power storage section incorporating battery to supply the power source, a switch section to perform on hook and off hook, and a display section to perform phone display;
  - a keyboard chassis whose phone operation keys to input numbers, letters, or codes are allocated on the surface thereof; and

a chassis for writing tools whose writing component is placed at the edge thereof;  
wherein said mounted keyboard and said chassis for writing are selectively mounted at the edge of said cylinder chassis.

- [c3] A pen-shaped cellular phone, comprising:  
a cylinder chassis having a switch section to perform on hook and off hook and a display section to perform a phone display;  
a keyboard chassis whose phone operation keys to input numbers, letters, or codes are allocated on the surface, and which has a power storage section incorporating a battery to supply the power source; and  
a chassis for writing tools whose writing component is placed at the edge thereof, and which has a power storage section incorporating a battery to supply the power source;  
wherein said mounted keyboard and said chassis for writing are selectively mounted at the edge of said cylinder chassis.

- [c4] A pen-shaped cellular phone, comprising:  
a first chassis having writing component at the edge thereof;  
a second chassis connected with said first chassis;  
a keyboard section whose phone operation keys to input

numbers, letters, or codes are allocated on the surface thereof pinched by said first chassis and said second chassis, where either said first chassis or said second chassis, or both thereof, can be freely slid; a switch section to perform on hook and off hook; and a display section to perform a phone display; wherein said first chassis, said second chassis and said keyboard section are established in an integrated manner; wherein said switch section and said display section are established in said first chassis or said second chassis; and wherein due to sliding operations of one of or both of said first chassis and said second chassis, operation keys of said keyboard section can emerge therefrom or be hidden.

- [c5] The pen-shaped cellular phone according to claim 4, wherein a sound output section to output call voices of an intended party and a microphone section to input sounds that are transmitted to said intended party are established in different chasses.
- [c6] A pen-shaped cellular phone, comprising:
  - a pen tip section, which is established at the edge of a cylinder chassis, having writing component at the edge;
  - a grip section held by a user used as a writing tool,

which is established at the side of said pen tip section of said cylinder chassis;

a display section to perform a phone display, which is established in a longitudinal direction on the surface of said cylinder chassis except for at said pen tip section and said grip section;

a microphone section to input numbers, letters, or codes by sounds;

a sound recognition section to obtain information about said numbers, letters, or codes through recognizing inputted sounds from said microphone section; and

a switch section to perform on hook and off hook.

- [c7] A pen-shaped cellular phone, comprising:
- a pen tip section, which is established at the edge of a cylinder chassis, having writing component at the edge;
- a grip section held by a user used as a writing tool, which is established at the side of said pen tip section of said cylinder chassis; and
- a plurality of rotary dials, which are allocated linearly in a longitudinal direction on the surface of said cylinder chassis except for said pen tip section and said pen grip section, each of which has 0–9 numbers and inputs numbers adjusted to a standard position.